Ethernet Reader ER750/ER755 Quick Start

Connect Reader to Ethernet Network



Connect Reader to Ethernet Network

Step 1

Connect the ER750/ER755 reader to an Ethernet hub via the Ethernet cable.

Note:

Or you can connect the ER750/ER755 reader to your PC/Laptop directly by one Ethernet cable.



Step 2

Connect the power (DC12V) to the pin VCC and GND.

Note:

Or you can connect an ER750-10/ER755-10 reader to your P.O.E HUB



Connect Reader to Ethernet Network



Step 3

Use "EthernetReaderDiscover" software to search all of our available Ethernet devices on network.

(This software can be found in the installation CD "disk5453").

Ethernet Reader Discover V1. Main Tools View	0R1			<u>_0×</u>
Device Name II SF650-9F 1 ER750-4E8F 1 ER750-WIFI 1 SF650-WIFI-1 1	92.168.100.96:2167 92.168.100.228:2167 92.168.103.1:2167 92.168.101.1:2167	MAC 00:20:D6:A1:5F:A1 00:20:34:56:78:0 00:20:49:6(72:00 00:20:49:6(72:00 00:20:D6:A5:F3:9F		 Refresh Reader Utility IP Settings
For WAN Connection	Add	E dit	Del	

Step 4.

Click "Refresh" to refresh the Ethernet reader list.

Device Name	IP	MAC			
SF650-9F	192.168.100.96:2167	00:20:D6:A1:5F:A1			
ER750-4E8F ER750-WIFI	192.168.100.228:2167 192.168.100.31:2167	00:20:34:56:78:90 00:20:49:96:02:D0	()	Ð	Refresh
5F650-WIFI-1	192.168.101.1:2167	00:20:D6:A5:F3:9F		*	Reader Utility
				2	IP Settings

Step 5. (Optional)

Click "IP Settings" to change

the new device name on network.

Device Name	IP	MAC		
SF650-9F	192.168.100.96:2167	00:20:D6:A1:5F:A1		
ER750-WIFI	192.168.100.228.2167	00:20:34:36:78:90 00:20:49:96:02:D0		👈 Refresh
SF650-WIFI-1	192.168.101.1:2167	00:20:D6:A5:F3:9F		🔆 Reader Utility
			•	IP Settings
				TCP:192.168.100.228:2167
				Command=02 BoardTupe=00
				BoardID=00
				MACAddress=00:20:34:56:78:90 Version=1.0.2.1
				Title=ER750-4E8F:2167 / (PGM T1379)





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un "EthernetReaderDiscover" software search all available Ethernet devices on stwork.	Ethemet Resder Discover V1.0R1
e search all available Ethernet devices on etwork.	
etwork.	Mam Tools Yiew Device Name IP MAC IIII
	ER750.3526 192.168.101.65.2167 00.2017.D7A8.12 SF650.P2476 192.168.101.45.2167 80:44.EE:01:0C.7A 650-p2476old 192.168.101.46.2167 00.20.FF:CA.68:71 V Refresh
elect your device, and then click "Reader	SF650A5D-P2476 192.168.101.43.2167 8C.44:EE:01:F3:DB ER750-W/FI06 192.168.101.13.2167 00:20.34:56:78:90 ! SF650ASD-W/FI-9F 192.168.100.63.2167 00:20.06:A5:F3:A1
tility".	! SF650ASD-WIFI-8F 192.168.100.43:2167 00:20:D6:A5:F3:A2 ************************************
	For WAN Connection Add 544 0.4
	Remark:
	" " – means the communication successfully by the IP address
	and the device name.
	" - means the communication by the IP address.
	x – means the communication fail.
tep 2	< ER750 >
he "Ethernet Reader Discover" utility will	P Mifare/DESEire Reader Utility (V1.2R7)
cecute the "Mifare/DESfire Reader	File Tools Connects
tility" and connect to the selected reader.	Mifare ER750 Series Reader LED/Buzzer
	Settings
	Read Modes CSN Only
	C Once
	C Continue (Viifare Only)
	Auto Scan Update Reader Test Version Language
	ER750 On ER750-WIFI06@192.168.101.13:2167
	<u>Remark:</u>





Toolo C	re Reader U	tility (V1.2F	(7)			×
Mifare	E	R750 Series	:	Reader	LED/Buzzer	
Read	d Modes	SN Only			•	
put Mode -						
Once Continue	(Mifare Only	n				

<u>Remark:</u>

For ER755, the "Read Mode" can be switch to:

"CSN Only"/ "Card Data Only"/ "Card Data or CSN (when card error)"

<u>Remark:</u>

For the "Read Mode" is "Card Data Only", you have to enter the card's app key or offset & length for used card in the "Mifare" pane as below picture:

	ER750 Se	ries	Reader	LED/Buzzer
d Information	I			
MAD-AID	(HEX) 4703			
Non-MAD	Sector 1	•		
A	pp Key FFFFFFF	FFF2	Key A	
E	Encrypt None	-		
_				
Used Card (N	Not issued by PRC	MAG card is:	suer)	
Used Card (1	Not issued by PRC	MAG card is:	suer) Length	0
Used Card (1	Not issued by PRC	MAG card is:	suer) Length	0
Used Card (f	Not issued by PRC	MAG card is:	suer) Length	0
Used Card (1	Not issued by PRC	MAG card is:	suer) Length	0
Used Card (1	Not issued by PRC	MAG card is:	suer) Length	0
Used Card (1	Not issued by PRC	MAG card is:	Length	0

Configure ER750/ER755 Reader Settings



Step 3

Configure the LED/buzzer appearance.

< ER750>

PMifare/DESFire Re File Tools Connec	ader Utility (V1.2R7) ts			<u> </u>
Mifare	ER750 Series	Read	ler	LED/Buzzer
LED / Buzzer Settin	gs zer Command Set Cont	trol		
	Reader Idle 🗖 Gre	een 🗖 Red	ł	
Brown (Interi	Wire = PULSE hal:Card Valid) ☑ Gre	en 🥅 Rec	1 Deep/Blin	nk 💌
Brown V (Interna	Vire = Inactive al:Card Invalid)	en 🔽 Rec	(3 Beep/Bli	nk 🔽
Auto Scan Up	date Reader To	est	Reader Version	Language
R750 On ER750-VMFI	06@192.168.101.13:2	167		

<ER755>

Mifare/DESFire Re File Tools Connec	ader Utility (V1.2R7) ts			<u> </u>
Mifare	ER750 Series	Reader	·	LED/Buzzer
-LED / Buzzer Settir Enable LED/Buz Brown (Inter	ngs zer Command Set Con Reader Idle ☐ Gru Wire = PULSE nal:Card Valid) ☑ Gru	trol een 🗖 Red een 🧖 Red	1 Beep/Bli	nk 💌
Brown V (Intern	Vire = Inactive	een 🔽 Red	3 Beep/Blir	nk 💌
Auto Scan Up	date Reader T	est .	Reader Version	Language
R755-00 On ER750-3	3526@192.168.101.65	:2167		

Configure ER750/ER755 Reader Settings

	~	v	~
Mifare	ER750 Series	Reader	LED/Buzzer
/Buzzer Setti nable LED/But	ngs rzer Command Set Con	trol	
	Reader Idle 🗖 Gr	een 🔲 Red	
Brown (Inter	Wire = PULSE	een 🗖 Red 🛛 1 E	eep/Blink
Brown	Mire = Inactive		
(Intern	al:Card Invalid)	een 🔽 Red 🛛 3 E	eep/Blink

<u>Remark:</u>

If you have to control hardware by commands, please check "Enable LED/Buzzer Command Set Conatrol" before update configures.

Configure ER750/ER755 Reader Settings



Step 4

Then setup device settings and IP settings.

<u>Remark:</u>

type in same settings as Event Server software (both of the IP Address and the Port Number).

Mifare FR750 Series Reader LED/Buzzer Settings Door Control 5 sec Image: Control 5 sec Image: Control 5 sec Event Server IP Settings IP Address 192.168.100.98 Port Number 2168 Auto Scan IP Address 192.168.100.98 Image: Control 5 sec Auto Scan Ipdate Reader Test Reader ER755-00 On ER75 -5326@192.168.101.65:2167 Local PC Time Zone : Image: Control 5 reader Cond UID Cond UID Save Records to: C: MonthWRecords Save Records to: C: MonthWRecords Cond UID	Mifare ER750 Series Reader LED/Buzzer Settings Door Control 5 sec Image: Control 5 sec Image: Control 5 sec Image: Control 5 sec Event Server IP Settings IP Address 192.168.100.98 Image: Control 5 sec Image: Control 5 sec Auto Scan Podate Reader Test Reader Language ER755-00 On ER75 -3526@192.168.101.65:2167 Local PC Time Zone: Image: Control 5 rest Card UD Card UD Save Records to: C: WhorthlyRecords Save Records to: C: WhorthlyRecords	Mifare ER750 Series Reader LED/Buzzer Settings Door Control 5 sec Image: Control 5 sec Image: Control 5 sec Image: Control 5 sec Event Server IP Settings IP Address 192.168.100.98 Port Number 2168 Image: Control 5 sec Image: Control 5 sec Auto Scan Ipdate Reader Test Reader Language ER755-00 On ER75 -3526@192.168.101.65:2167 Local PC Time Zone: Image: Control 5 sec Card UID Card UID Save Records to: C:\MonthlyRecords Save Records to: C:\MonthlyRecords	Mifare ER750 Series Reader LED/Buzzer	File Tools Co	e Reader Utility (V1 mects	.2R7)		_ _ X
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Auto Save Records to: C:\MonthlyRecords

Step 5

Begin to receive the event from the device.

We open the Event Server source code in VB language, and hope that can help you easily to integrate Event Server into your system.

Trouble Shooting – Set to Auto IP Mode



How to change PC/Laptop r	network setting to support the Auto IP mode
Step 1Most of the PC/Laptop network default settingis "Obtain an IP address automatically" (autoIP mode). If not, you can follow the steps tochange the network setting to auto IP mode.Go to:Control Panel > Network and Internet Connections>	Local Area Connection Connected Wilware Accelerated AMD DCM Disable Status Repair Bridge Connections Create Shortcut Delete Rename Properties
Local Area Connection Properties	
Step 2 General select Internet Protocol (TCP/IP) and click Properties.	Local Area Connection Properties General Authentication Advanced Connect using: W Wave Accelerated AMD PCNet Ad Configure This connection uses the following items: Client for Microsoft Networks Image: Client for Microsoft Networks Client for Microsoft Networks Image: Client for Microsoft Networks Client for Microsoft Networks Image: Client for Microsoft Networks Client for Microsoft Networks Image: Client for Microsoft Networks Properties Image: Client for Microsoft Networks Client for Microsoft Networks Image: Client for Microsoft Networks Properties Image: Client for Microsoft Networks Client for Microsoft Networks Image: Client for Microsoft Networks Properties Image: Client for Microsoft Networks Client for Microsoft Networks Image: Client for Microsoft Networks Properties Image: Client for Microsoft Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. Image: Client for Microsoft Networks Image: Client for Microsoft Protocol/Internet Protocol. The default wide area network protocol for Area networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Clien
Step 3	Internet Protocol (TCP/IP) Properties
Select the "Obtain an IP address automatically. Then click "OK".	General Alternate Configuration You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. • Obtain an IP address automatically • Use the following IP address: IP address: IP address: IP address: IP address: IP address:

Trouble Shooting – Set to Auto IP Mode



Step 4

Connect the ER750/ER755 reader to PC/Laptop via Ethernet cable then power on the ER750/ER755 reader.





The ER750 does not supplying power for the electronic lock, so please reference below pictures to connect the lock. Load means the lock. Connects VIN to power, GND to common, and the power supply's ground connect to NO (Normally Open).

The ER750 wire assignment please references the document: "ER750 Series Wires Assignment.pdf".





If you have the requirement about issue user card immediately, we have the Mifare/DESFire Card Issuer software to help you that issue the user card easily and quickly, and you should have a "PCR310 R/W device" for issue cards, please contact the sales for more information.

≽ Mifare/DESFire C	ard Issuer - COM5				
GI	GA-TMS	INC.	Mifare/De	esFire	Card Issuer
Qua	lity, Delivery & S	ervice	for MF/DF	Series R	eader V1.2R0
Card SN	Class	Type	Lev	el Statu	us
74735E0A	MF 1K	MAD1 Ad	min R/W	App :	Sector Found
MAD AID map (1 4703 000 0000 0000 000 Sector #1 Block0 DD746 Block1 206F6 Block2 00000	4 Of Free Sector 0 0000 0000 0000 0 0000 0000 0000 86572652773206361 62074686520636173 00000000000000000000	0000 0000 0000 0000 76874656874 26428000000 0000000000	.there's con of the card	tent	Configure PCR310/PRW106 PGM0487 V1.4R0 (Build:110609) Auto Scan Refresh List Issue Card MAD Card Format Assignment Remove AID

Required Items



Back Plate Installation

1. Fix the back plate onto the wall with screw#M3.5 $\,\circ\,$

2.

Assemble the Housing with screw#M3 $\,\circ\,$



The above housing is reference only





CAUTION:

The crossed out wheeled bin label that can be found on your product indicates that this product should not be disposed of via the normal household waste stream.

To prevent possible harm to the environment or human health please separate this product from other waste streams to en-sure that it can be recycled in an environmentally sound manner.

For more details on available collection facilities please contact your local government office or the retailer where you purchased this product.

This information only applies to customers in the European Union.

For other countries, please contact your local government to investigate the possibility of recycling your product.



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